

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040155 A1

(51) International Patent Classification⁷: **C07D 405/14**,
409/14, 401/14, 471/04, A61K 31/506, A61P 11/06

(21) International Application Number:
PCT/EP2004/010644

(22) International Filing Date:
22 September 2004 (22.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P200302275 2 October 2003 (02.10.2003) ES

(71) Applicant (for all designated States except US): **ALMI-
RALL PRODESFARMA, S.A.** [ES/ES]; Cardener, 68-74,
E-08024 Barcelona (ES).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VIDAL, Juan**,
Bernat [ES/ES]; C/Font, 11, E-08396 St. Cebrià de
Vallalta (ES). **TRIAS, Cristina**, Esteve [ES/ES]; Plaza
Eres, 14, E-08776 St. Pere de Riudebitlles (ES).

(74) Agents: **WINKLER, Andreas** et al.; Boehmert &
Boehmert, Hollerallee 32, 28209 Bremen (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

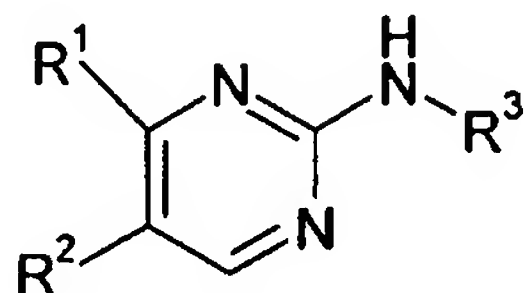
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PYRIMIDIN-2-AMINE DERIVATES AND THEIR USE AS A_{2B} ADENOSINE RECEPTOR ANTAGONISTS



(I)

(57) Abstract: This invention is directed to new potent and selective antago-
nists of the A_{2B} adenosine receptor having the general formula (I) to processes
for their preparation; to pharmaceutical compositions comprising them; and to
their use in therapy.